TRANSLATION PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FP-05003PC		FOR FURTHER A	ACTION	See Form PCT/IPEA/416			
International application No.		International filing da	nte (dav/month/vear)	Priority date (day/month/year)			
PCT/JP2005/001801		08.02.200	5	09.02.2004			
International Patent Classification (IPC) or national classification and IPC							
Applicant							
ASKA PHA	RMACEUTICAL (CO., LTD.					
	ort is the international prelin ticle 35 and transmitted to the			nternational Preliminary Examining Authority			
2. This REF	PORT consists of a total of	7	sheets, including	this cover sheet.			
3. This repo	ort is also accompanied by Al	NNEXES, comprising:					
	•	• •					
a. L_J				sheets, as follows:			
				mended and are the basis for this report and/or le 70.16 and Section 607 of the Administrative			
	sheets which superso	ede earlier sheets, but	which this Authority cons	siders contain an amendment that goes beyond			
	the disclosure in the			in item 4 of Box No. I and the Supplemental			
	Box.						
b	(sent to the International i	Bureau only) a total of	(indicate type and number	of electronic carrier(s))			
				, containing a sequence listing and/or tables			
	related thereto, in computer Section 802 of the Administ		as indicated in the Suppler	mental Box Relating to Sequence Listing (see			
4. This repo	ort contains indications relati	ng to the following iter	ms:				
		B 10 10 10 10 11 11 11 11 11 11 11 11 11					
	Box No. I Basis of the	report					
	Box No. II Priority						
<u></u>	Box No. III Non-establi	shment of opinion with	regard to novelty, inventi	ive step and industrial applicability			
I	Box No. IV Lack of unit	ty of invention					
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement						
	Box No. VI Certain doc	uments cited					
	Box No. VII Certain defects in the international application						
	Box No. VIII Certain observations on the international application						
Decidence							
Date of submission of the demand		Date of completion of thi	s report				
Name and mailing address of the IPEA/JP		Authorized officer					
Facsimile No			Telephone No				

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Box	No. I	Basis of the report		
1.		n regard to the language, this report is based on the internation cated under this item.	al application in the language in which it	was filed, unless otherwise
		This report is based on translations from the original language which is the language of a translation furnished for the purposition international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4) international preliminary examination (Rule 55.2 and/o	or 55.3)	· · · · · · · · · · · · · · · · · · ·
2.	recei	h regard to the elements of the international application, this is iving Office in response to an invitation under Article 14 are report): the international application as originally filed/furnished the description:	report is based on (replacement sheets we referred to in this report as "originally	s filed" and are not annexed to
		pages*	received by this Authority on	as originally filed/furnished
		pages*	received by this Authority on	
		the claims:		
	_	nos.		as originally filed/furnished
		nos.*	as amended (together with a	ny statement) under Article 19
		nos.*	received by this Authority on	
		nos.*	received by this Authority on	
		the drawings:		
		sheets		as originally filed/furnished
		sheets*	received by this Authority on	
		sheets*	received by this Authority on	
		a sequence listing and/or any related table(s) - see Suppleme	ental Box Relating to Sequence Listing.	
3.		The amendments have resulted in the cancellation of:		
		the description, pages		
		the claims, nos.		
		the drawings, sheets/figs		
	•	the sequence listing (specify):		
		any table(s) related to sequence listing (specify):		
4.		This report has been established as if (some of) the amendathey have been considered to go beyond the disclosure as file	ed, as indicated in the Supplemental Box	(Rule 70.2(c)).
		the description, pages		
		the claims, nos. the drawings, sheets/figs		
		the sequence listing (specify):		
		any table(s) related to sequence listing (specify):		
ŀ	If ite	em 4 applies, some or all of those sheets may be marked "supe	-	

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Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:				
the entire international application				
claims Nos. 18				
because:				
the said international application, or the said claims Nos. 18 relate to the following subject matter which does not require an international preliminary examination (specify):				
The subject matter of claim 18 relates to methods				
for treatment of the human body by therapy.				
the description, claims or drawings (indicate particular elements below) or said claims Nos.				
are so unclear that no meaningful opinion could be formed (specifv):				
the claims, or said claims Nos are so inadequately supported				
by the description that no meaningful opinion could be formed.				
no international search report has been established for said claims Nos. 18				
the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:				
the written form has not been furnished				
does not comply with the standard				
the computer readable form has not been furnished				
does not comply with the standard				
the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.				
See Supplemental Box for further details.				

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1.	Statement					
	Novelty (N)	Claims 1-17	YES			
		Claims				
	Inventive step (IS)	Claims	YES			
		Claims 1-17	_			
	Industrial applicability (IA)	1_17				
	, (,	Claims 1-17 Claims				
2.	Citations and explanations (Rule 70.7)					
	The following do	ocuments were cited in the international				
	search report.					
	Document 1: The	American Journal of Cardiology, 2002,				
	Vol	. 89, pages 1308 to 1310				
	Document 2: JP 2	2002-502869 A				
	Document 3: WO 2	2003/082283 A2				
	Document 4: NEW	Yakurigaku (3 rd Edition), Nankodo, 25				
	Nov	rember 1996, pages 403 to 405 and 504 to				
	506	5				
	Document 5: Euro	opean Journal of Internal Medicine, 2003,				
	Vol	14, pages 357 to 360				
	Document 6: JP	1-71813 A				
	Document 7: Tour	nyoubyou, 1994, Vol. 37, Number 1, pages				
	17	to 22				
	(1) Inventive St	tep of Claims 1 to 9 and 11 to 17/Document				
	1					
	Document 1	indicates that atorvastatin or				
	simvastatin which are remedies for hyperlipemia are					
	administered to	gether with acarbose, which is a remedy				
	for diabetes (ta	able 1, page 1309, left column, lines 1 to				
	6).					

That being the case, it would be obvious to a person

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

skilled in the art to use a pharmaceutical combining atorvastatin or simvastatin with acarbose in the treatment of hyperlipemia or diabetes.

(2) Inventive Step of Claims 1 to 9 and 11 to $17/\text{Documents}\ 1$ to 4

In addition to the matters set forth in (1) above, documents 2 and 3 indicate that a remedy for diabetes is administered together with a remedy for hyperlipemia to treat both disorders in an integrated manner, therefore it would be obvious to a person skilled in the art to employ a hydroxymethyl-CoA reductase inhibitor such as pravastatin, a typical example as set forth in document 4, as a remedy for hyperlipemia in the invention set forth in document 1, and to employ an α -glucosidase inhibitor such as voglibose, which is a typical example as set forth in document 4, and to use the resultant pharmaceutical in the treatment of hyperlipemia or diabetes (document 2, paragraph [0006]; document 3, page 2, lines 4 to 13; page 3, lines 10 to 15; document 4, etc.).

(3) Inventive Step of Claims 1 to 17/Documents 2 to 6
With regard to phenofibrate which is a fibrate-based remedy for the treatment of hyperlipemia, document 5
indicates that phenofibrate reduces the blood-sugar level when the stomach is empty or after a meal, and document 2 indicates that phenofibrate reduces the blood-sugar level (document 2, paragraphs [0031] to [0035]; document 5, page 359, table 2).

With regard to bezafibrate, which is a fibrate

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remedy for hyperlipemia, is used together with sulfonylurea, which is a remedy for diabetes, to control blood-sugar levels and blood-cholesterol levels (see page 18, tables 1 and 2 and page 19, table 4).

In addition, as set forth in (2) above, documents 2 and 3 indicate that a remedy for diabetes and a remedy for hyperlipemia are combined in an attempt to treat both disorders in an integrated manner (see the parts of documents 2 and 3 indicated in (2) above).

That being the case, it would be obvious to a person skilled in the art to use an invention obtained by using an α -glucosidase inhibitor such as voglibose, which is a foremost example as set forth in document 4, as a remedy for diabetes, taking into account documents 2 and 3, in the invention set forth in document 7, in the treatment of hyperlipemia or diabetes. Moreover, with regard to remedies for hyperlipemia, it would be obvious to a person skilled in the art to use a fibrate agent such as phenofibrate, which is a typical remedy for hyperlipemia, as set forth in documents 2 and 4, as an alternative to bezafibrate, in the light of documents 2 and 3 (document 2, paragraph [0003]).

Moreover, even in reference to the description, there are no grounds to prove that the aforementioned selective matter would offer a special and marked effect which would be unexpected to a person skilled in the art.

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remedy for hyperlipemia, document 6 indicates that bezafibrate reduces the blood-sugar level when the stomach is empty or after a meal, and document 2 indicates that phenofibrate reduces the blood-sugar level (document 2, paragraphs [0031] to [0035]; document 6, entire document).

Then, as indicated in (2) above, documents 2 and 3 indicate that a remedy for diabetes and a remedy for hyperlipemia are combined in an attempt to treat both disorders in an integrated manner (see the parts of documents 2 and 3 indicated in (2) above).

That being the case, in order to produce a pharmaceutical having an outstanding effect of lowering blood-sugar levels and an effect of improving hyperlipemia, it would be obvious to a person skilled in the art to combine a fibrate compound such as phenofibrate or bezafibrate and an α -glucosidase such as voglibose, which is a foremost remedy for diabetes as set forth in document 4, taking into account documents 2, 3, 5 and 6.

Moreover, in examining the effect of lowering bloodsugar levels offered by the combined pharmaceutical of the present invention, the effect is acknowledged to be of the degree of an added effect, and no comparison is shown with a combination of a fibrate and a diabetes remedy other than metformin, therefore this effect is not acknowledged to be special.

(4) Inventive Step of Claims 1 to 17/Documents 2 to 4 and 7

Document 7 indicates that bezafibrate, a fibrate